

FIG. 1

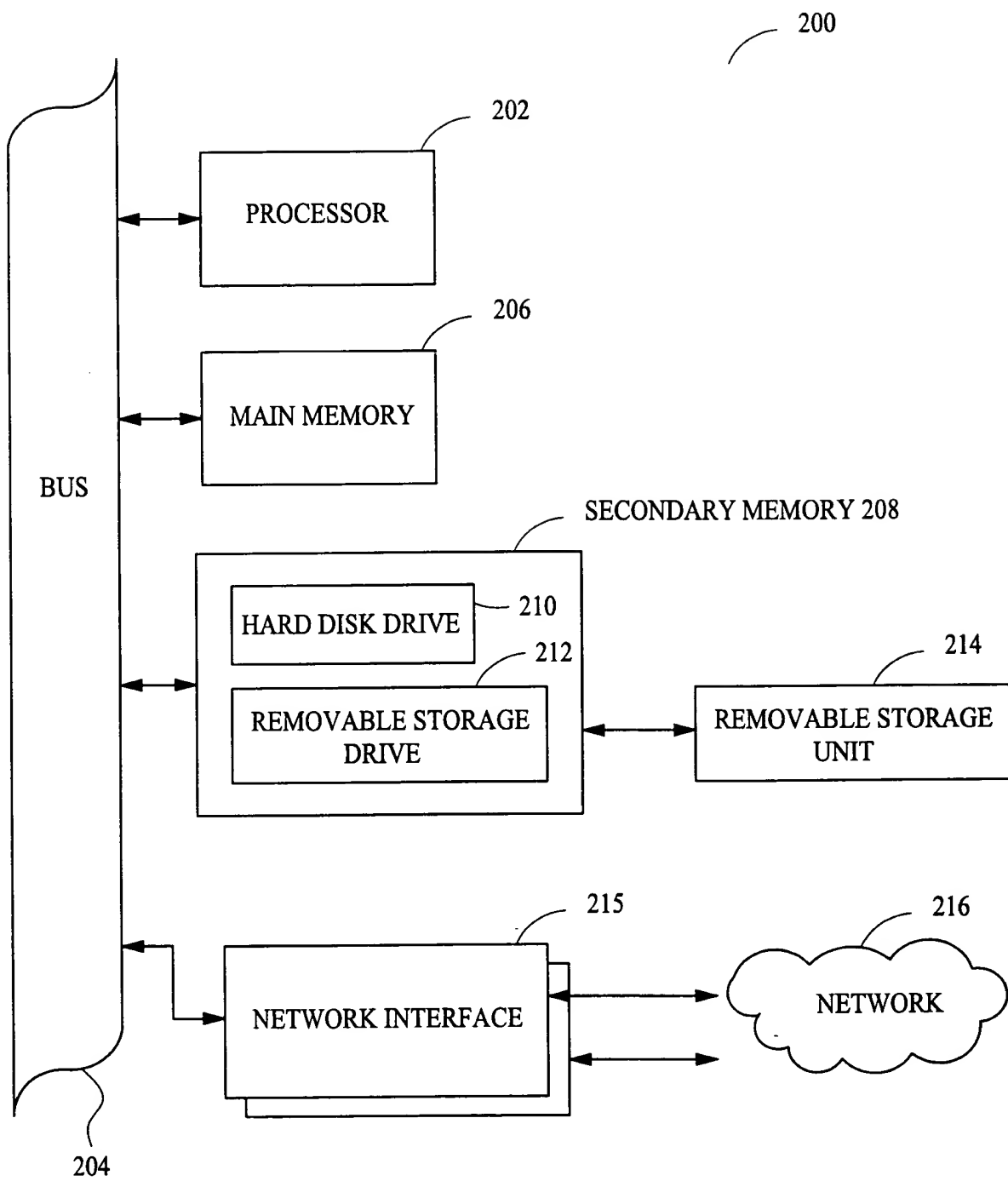


FIG. 2

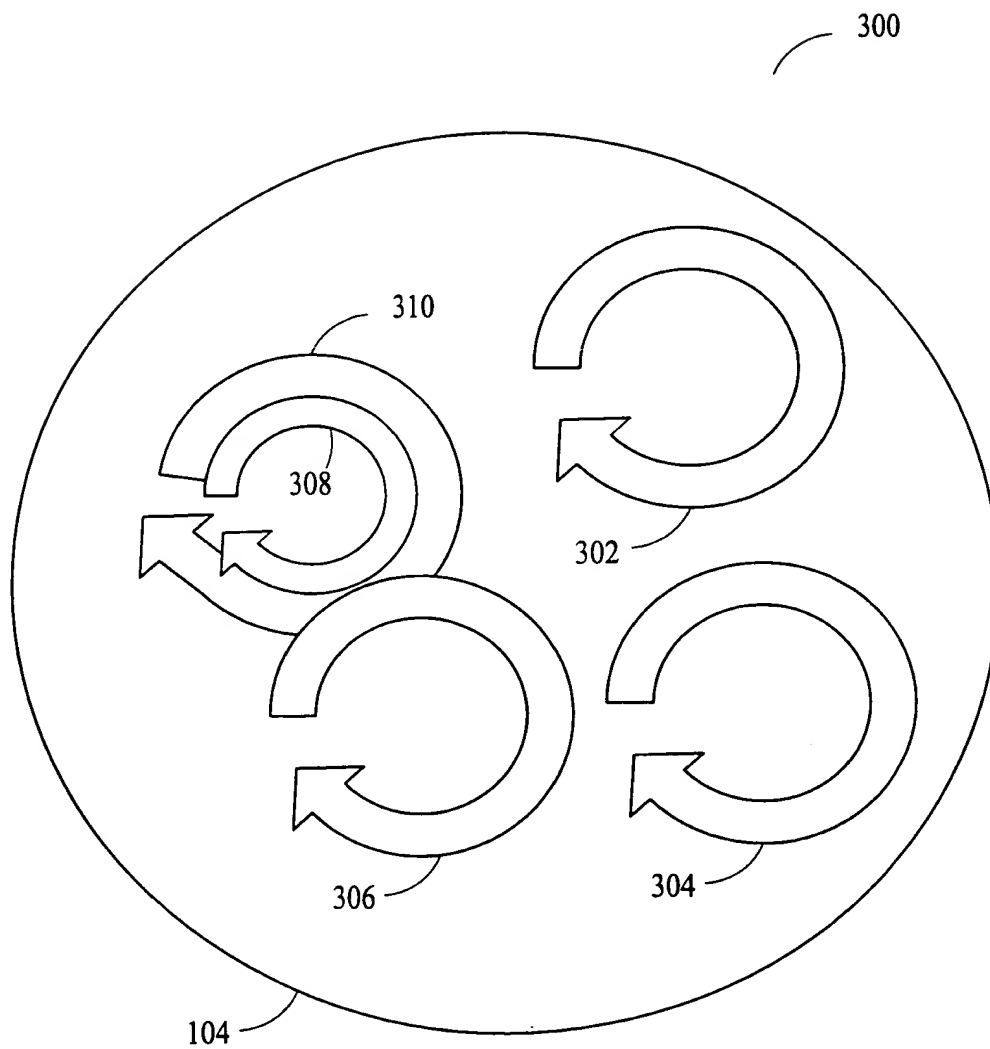


FIG. 3

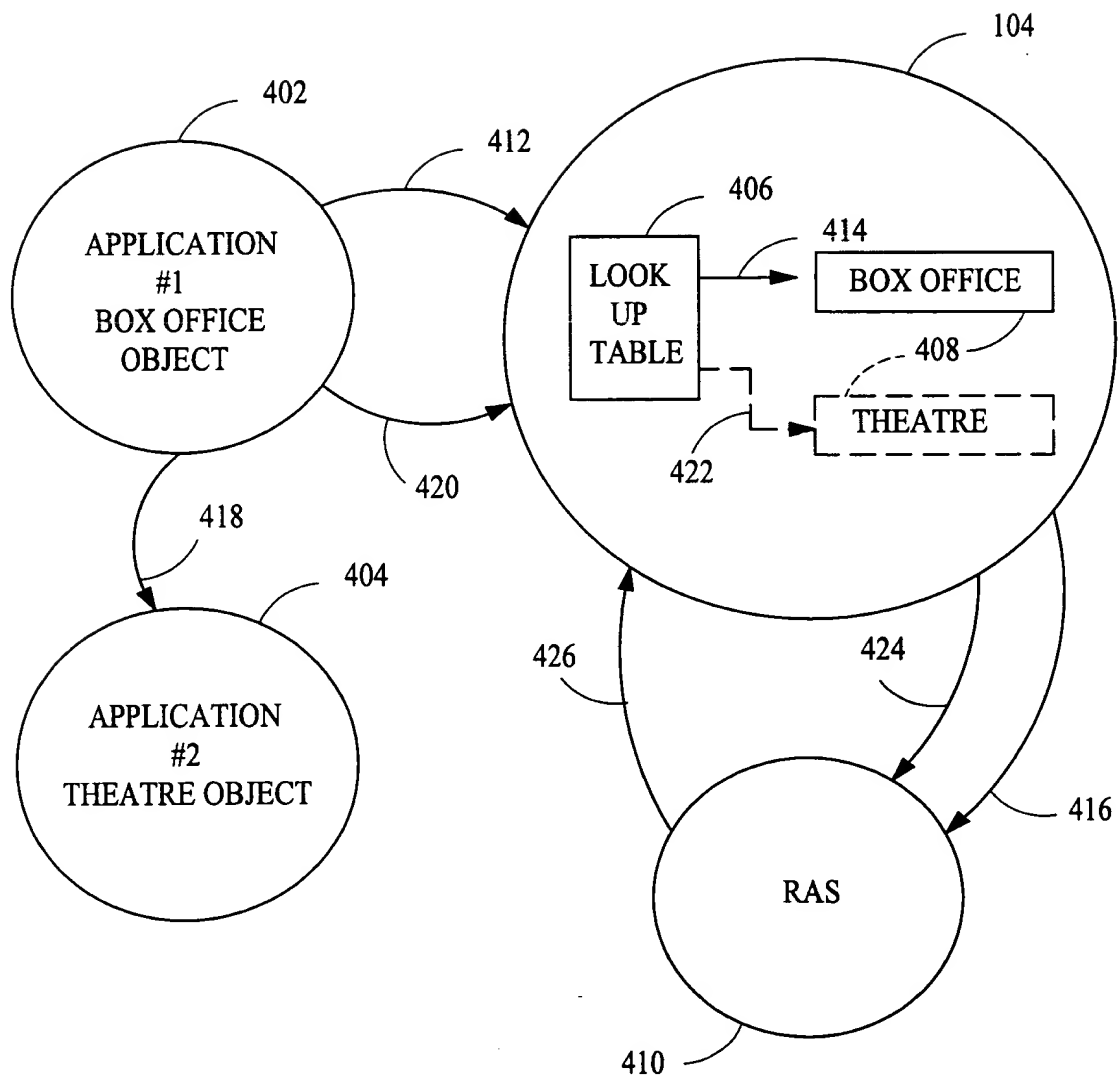


FIG. 4

FIRST APPLICATION STARTS THE CONFERENCE

ENTER OWNER OF CONFERENCE
IN LOOKUP TABLE IN ACS

**FIRST
APPLICATION
WANTS TO MOVE
CONFERENCE**

PASS CONFERENCE OWNERSHIP TO SECOND APPLICATION

FIG. 5A

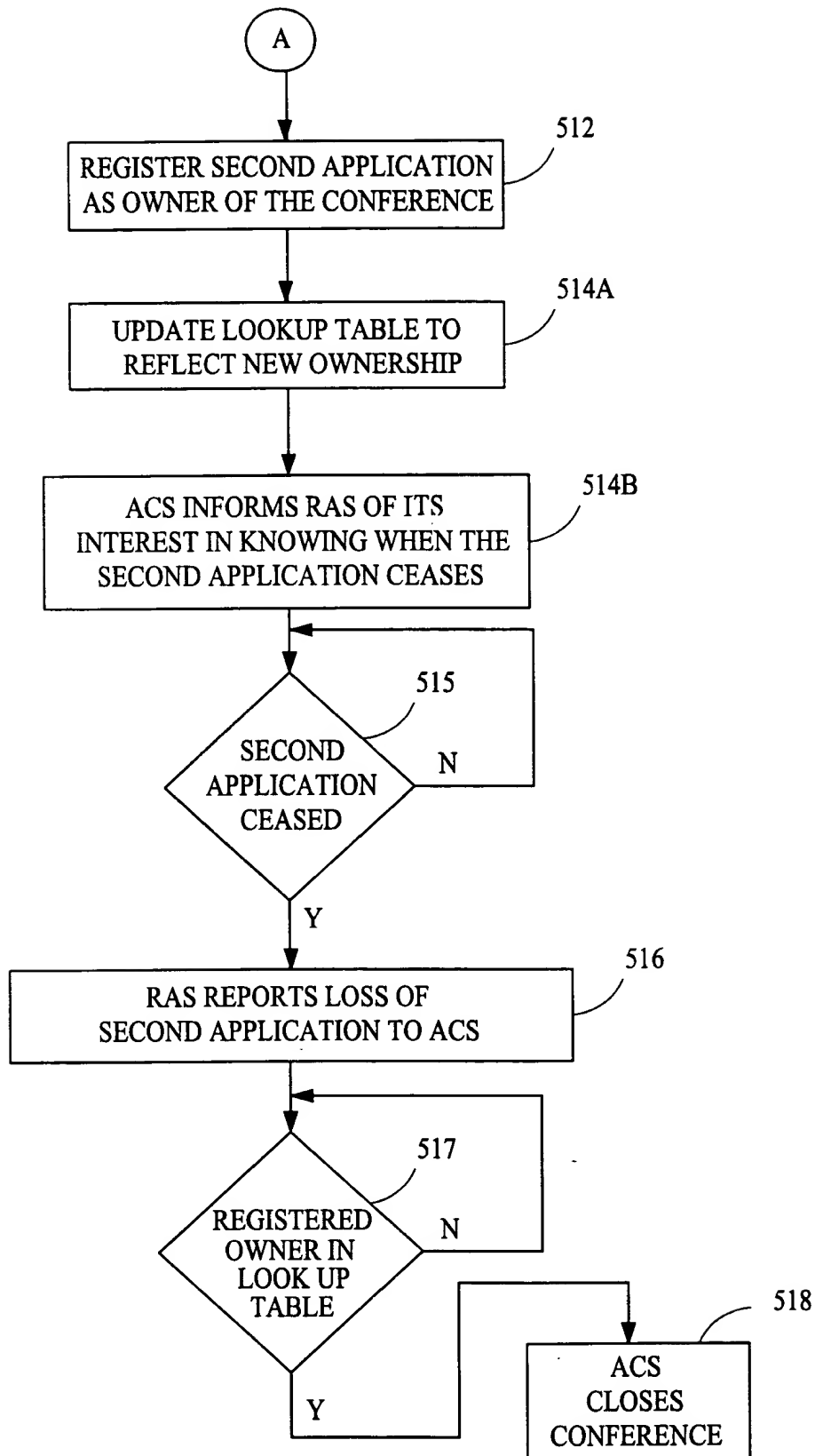


FIG. 5B

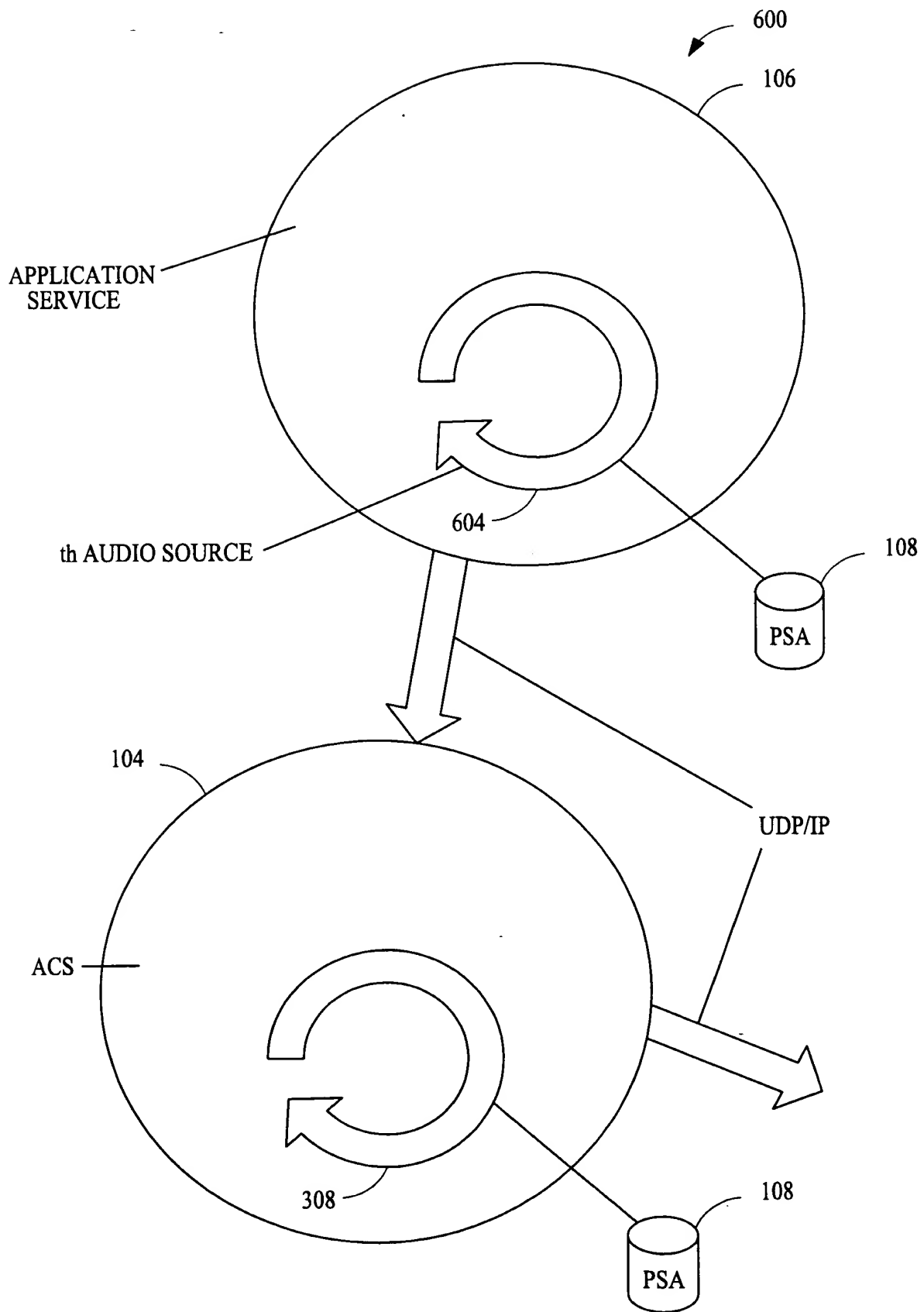


FIG. 6

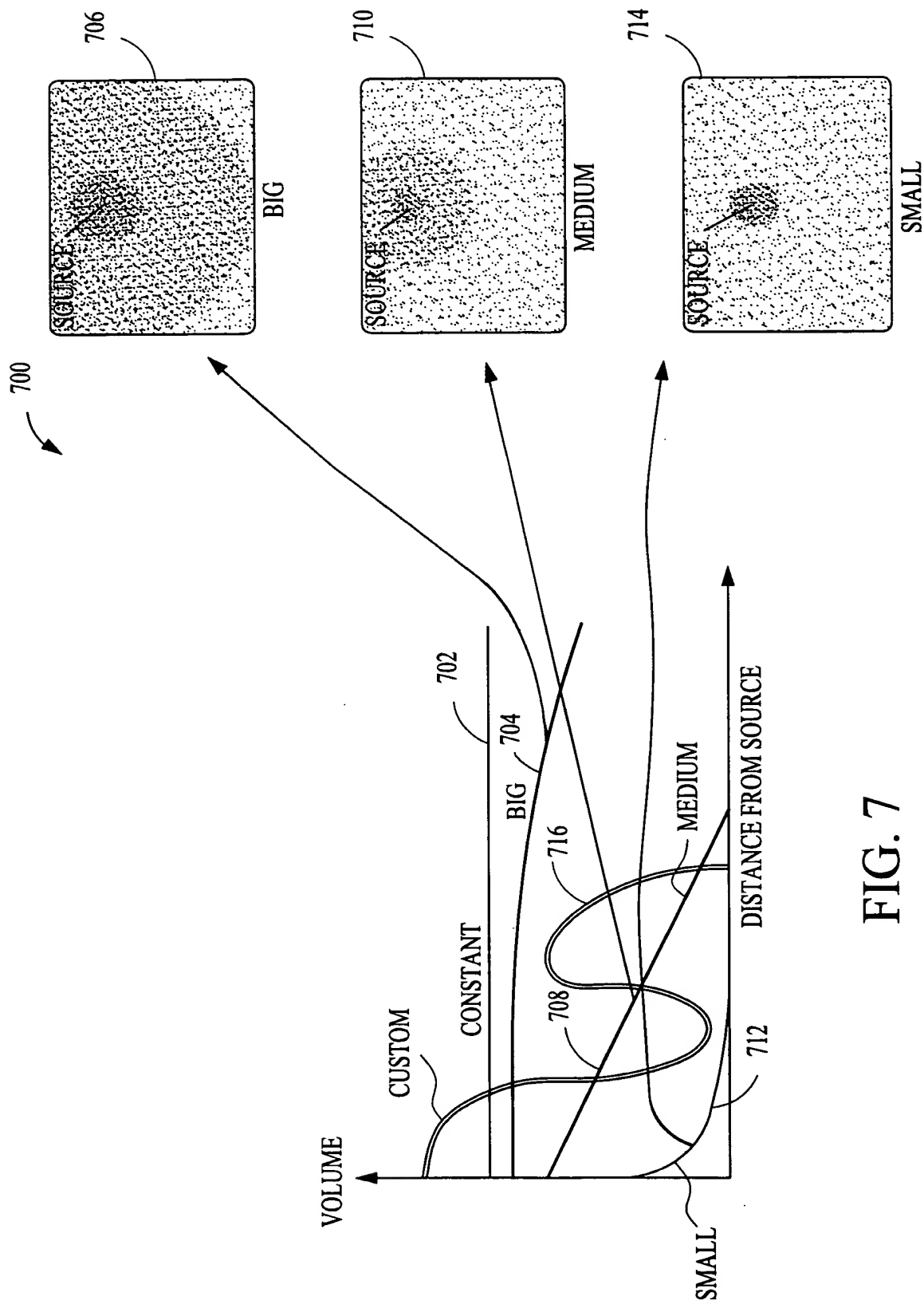


FIG. 7

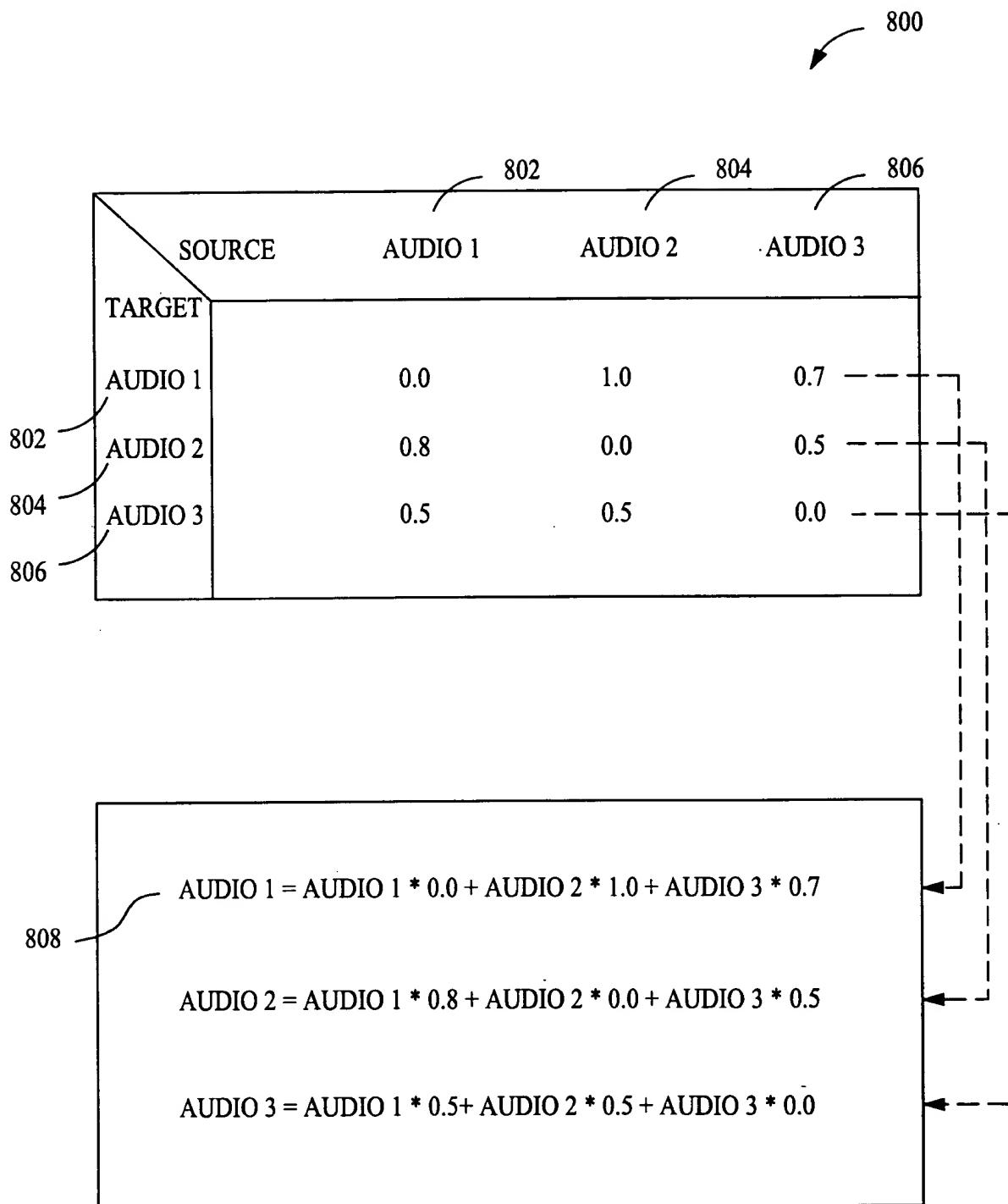


FIG. 8

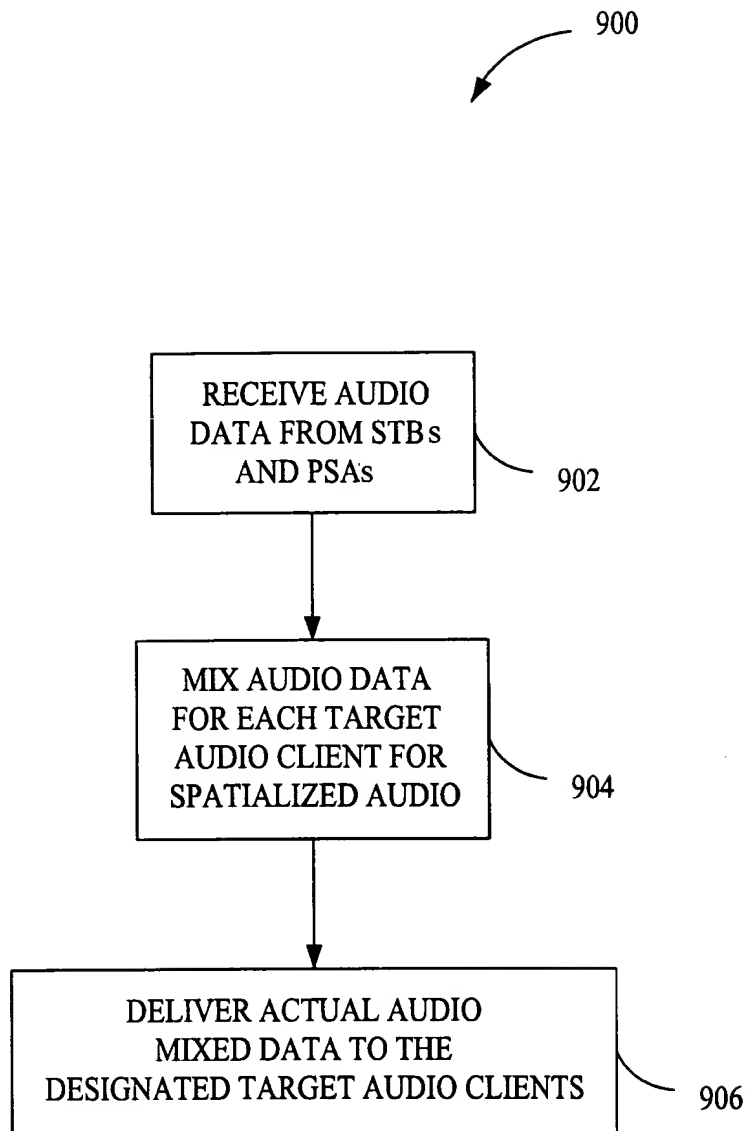


FIG. 9A

```
graph TD; 910 --> 912[IDENTIFY A DECAY FACTOR FOR EACH SOURCE AUDIO CLIENT]; 912 --> 914[DETERMINE THE DISTANCE BETWEEN THE TARGET AUDIO CLIENT AND EACH SOURCE AUDIO CLIENT]; 914 --> 916[EXTRACT WEIGHTED VALUES FROM THE IDENTIFIED DECAY FACTOR PLOTS ACCORDING TO DISTANCE]; 916 --> 918[ENTER THE WEIGHTED VALUES INTO A MIX TABLE FOR EACH SOURCE / TARGET AUDIO CLIENT PAIR]; 918 --> 920[CALCULATE THE MIXED AUDIO VALUES FOR EACH TARGET AUDIO CLIENT]; 920 --> 922[REFINE THE MIXED AUDIO VALUES];
```

910

912 IDENTIFY A DECAY FACTOR FOR EACH SOURCE AUDIO CLIENT

914 DETERMINE THE DISTANCE BETWEEN THE TARGET AUDIO CLIENT AND EACH SOURCE AUDIO CLIENT

916 EXTRACT WEIGHTED VALUES FROM THE IDENTIFIED DECAY FACTOR PLOTS ACCORDING TO DISTANCE

918 ENTER THE WEIGHTED VALUES INTO A MIX TABLE FOR EACH SOURCE / TARGET AUDIO CLIENT PAIR

920 CALCULATE THE MIXED AUDIO VALUES FOR EACH TARGET AUDIO CLIENT

922 REFINE THE MIXED AUDIO VALUES

FIG. 9B

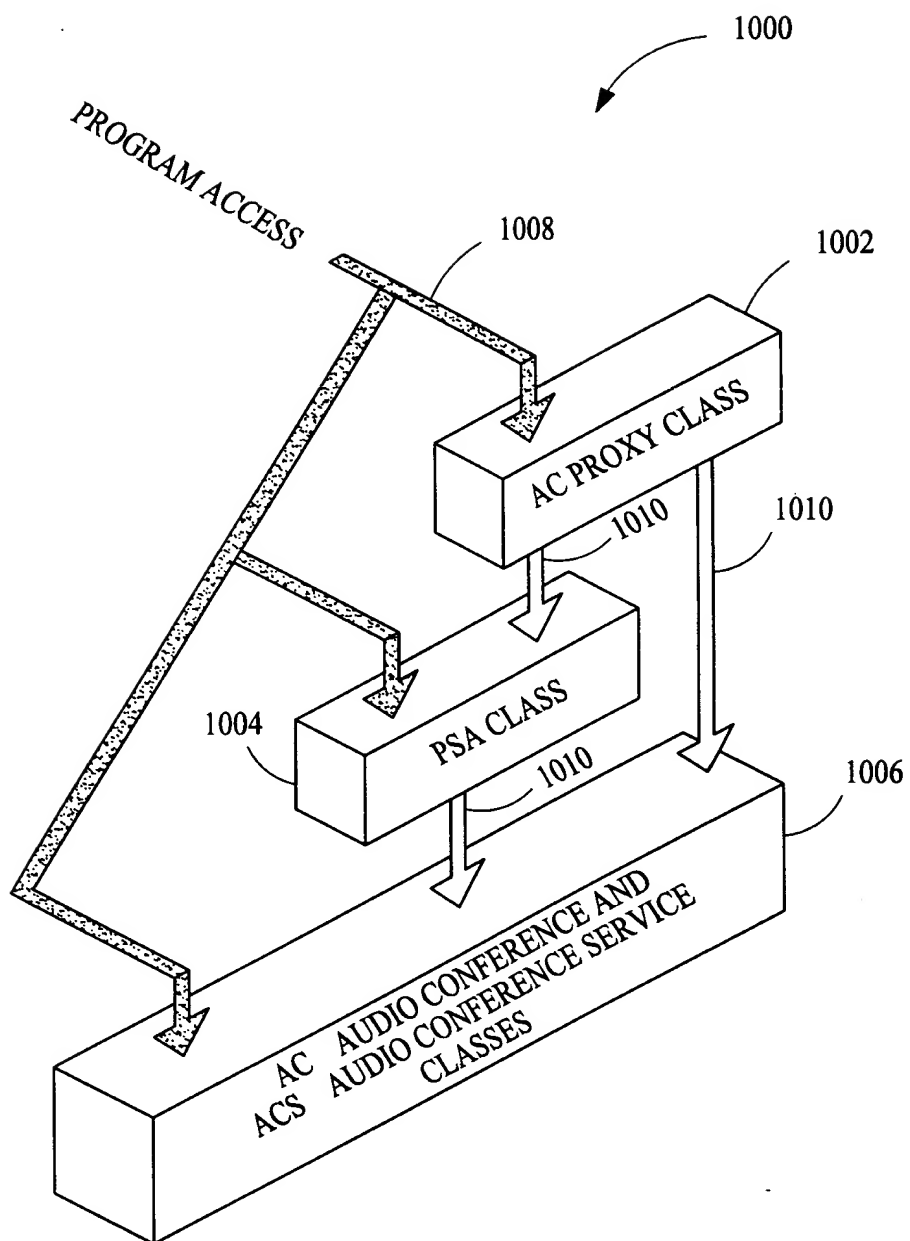


FIG. 10

ACPROXY CLASS METHODS ~ 1100

METHOD	DESCRIPTION
1102 ACPROXY()	OPENS THE AUDIO CONFERENCE.
1104 ~ACPROXY()	CLEANS UP AND CLOSES THE AUDIO CONFERENCE.
1106 ADDCLIENT()	ADDS SET TOP AUDIO CLIENT TO THE AUDIO CONFERENCE.
1108 ADDPSA()	ADDS A PSA AUDIO CLIENT TO THE CONFERENCE.
1110 AUDIOS()	LISTS AUDIO CLIENT IDS IN THE CONFERENCE
1112 DEMUTEAUDIO()	ENABLES AUDIO OF THE PSA.
1114 GETAUDIOLOCATION()	LOCATES X, Y COORDINATES OF AN AUDIO CLIENT.
1116 GETCONFINFO()	RETRIEVES AUDIO CONFERENCE INFORMATION.
1118 MOVEAUDIO()	MOVES AUDIO SOURCE TO A SPECIFIED LOCATION.
1120 MUTEAUDIO()	DISABLES AUDIO OF THE PSA.
1122 REGISTEROWNER()	TRANSFER OWNER OF THE AUDIO CONFERENCE USING THE OBJECT REFERENCE.
1124 REGISTEROWNERBYNAME()	TRANSFER OWNER OF THE AUDIO CONFERENCE USING THE NAME OF THE APPLICATION AS EXPORTED BY THE NAME SPACE.
1126 REMOVEAUDIO()	REMOVES THE AUDIO CLIENT.
1128 UNREGISTEROWNER()	REMOVES PREVIOUS OWNERSHIP OF THE AUDIO CONFERENCE.

FIG. 11

POINTSOURCEAUDIO CLASS METHODS ~ 1200

	METHOD	DESCRIPTION
1202	POINTSOURCEAUDIO()	CLASS CONSTRUCTOR. INSTANTIATES A PSA OBJECT.
1204	~POINTSOURCEAUDIO()	CLEANS UP RESOURCES, CLOSES THE DEVICE USED BY A PSA.
1206	PLAY()	PLAYS THE AUDIO SOURCE.
1208	STOP()	STOPS PLAYING THE AUDIO SOURCE.
1210	PAUSE()	PAUSES THE PLAYING OF THE AUDIO SOURCE.
1212	RESUME()	RESUMES PLAYING THE AUDIO SOURCE.

FIG. 12

THE ACS :: AUDIO CONFERENCE SERVICE METHODS ~ 1300

METHOD	DISCRIPTION
1302	OPENCONFERENCE()--- CREATES AN AUDIO CONFERENCE.
1304	CLOSECONFERENCE()--- CLOSES AN AUDIO CONFERENCE.
1306	GETCONFERENCEBYTICKET()--- FINDS THE CONFERENCE NAME GIVEN THE TICKET NUMBER.
1308	LISTCONFERENCE()--- RETURNS A SEQUENCE OF CONFERENCE OBJECTS.
1310	HCTAUDIOSTAT()--- FINDS INFORMATION ABOUT A SET - TOP AUDIO CLIENT.

FIG. 13

1400

THE ACS :: AUDIO CONFERENCE METHODS

METHOD	DESCRIPTION
1402	NEWAUDIO()--- CREATES AN AUDIO CLIENT FOR A GIVEN SET - TOP BOX.
1404	DELETEAUDIO()--- DELETES AN AUDIO CLIENT.
1406	REGISTEROWNER()--- REGISTERS CONFERENCE OWNER BY OBJECT REFERENCE.
1408	REGISTEROWNERBYNAME()--- REGISTERS CONFERENCE OWNER BY EXPORT NAME.
1410	UNREGISTEROWNER()--- REMOVES A REGISTERED CONFERENCE OWNER.
1412	SETMIXONE()--- SETS THE VOLUME OF THE CONVERSATION BETWEEN TWO AUDIO CLIENTS.
1414	SETMIX()--- SETS THE VOLUME OF THE CONVERSATION BETWEEN MANY AUDIO CLIENT PAIRS.
1416	GETMIXONE()--- RETURNS THE VOLUME SETTING BETWEEN TWO AUDIO CLIENT PAIRS.
1418	GETMIX()--- RETURNS THE VOLUME SETTINGS BETWEEN MANY AUDIO CLIENT PAIRS.
1420	SETTIMEOUT()--- SETS A NUMBER OF SECONDS OF INACTIVITY, AFTER WHICH THE CONFERENCE IS CLOSED AUTOMATICALLY. IT CAN BE SET TO NEVER CLOSE.
1422	GETTIMEOUT()--- FINDS THE LENGTH IN SECONDS OF THE TIMEOUT.
1424	AUDIOIDS()--- GETS A LIST OF AUDIO IDs IN A CONFERENCE.
1426	AUDIOSTAT()--- GETS INFORMATION ABOUT AN AUDIO CLIENT GIVEN THE AUDIO ID.
1428	CONFSTAT()--- GETS INFORMATION ABOUT AN AUDIO CONFERENCE.
1430	HCTAUDIOSTAT()--- GETS INFORMATION ABOUT AN AUDIO CLIENT GIVEN THE SET -TOP ID.
1432	PING()--- PINGS A GIVEN AUDIO CONFERENCE AND RETURNS AN EXCEPTION IF THE CONFERENCE DOESN'T EXIST.

FIG. 14

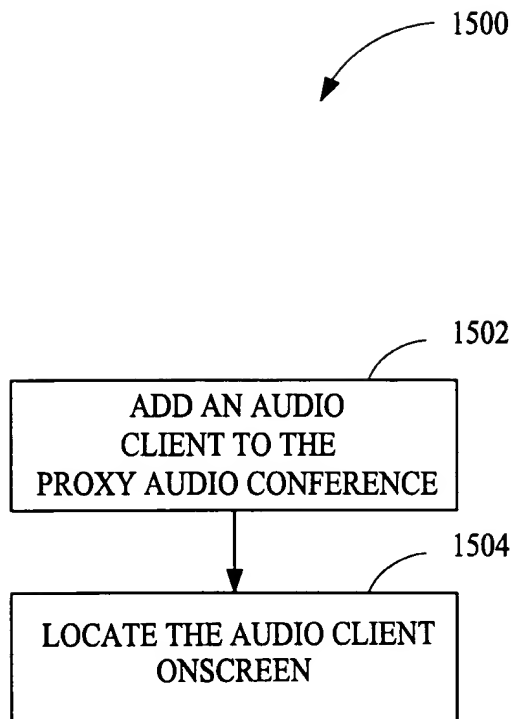


FIG. 15

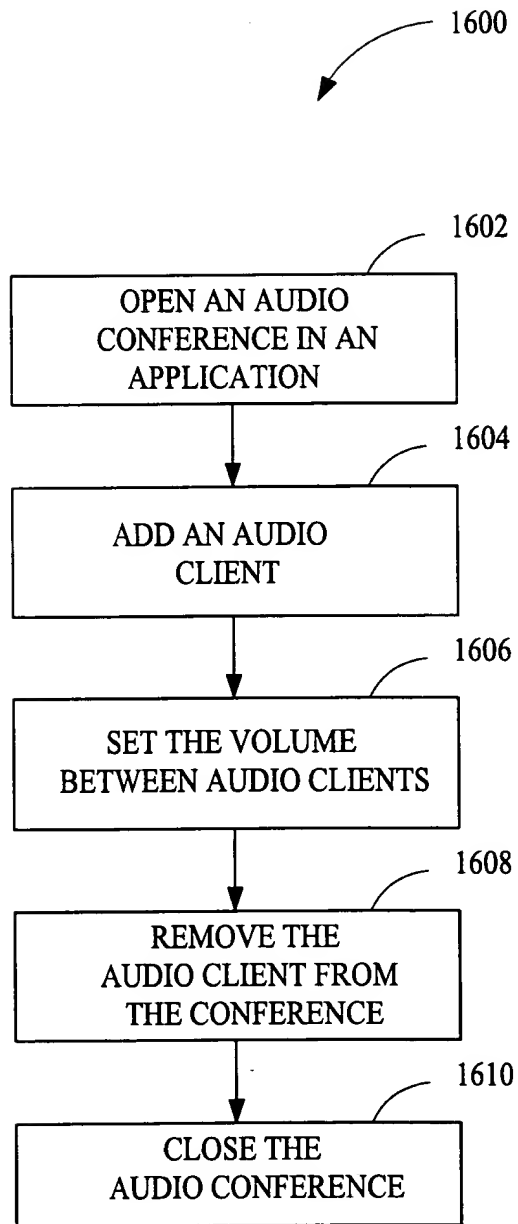


FIG. 16